UK SALES AND SUPPORT: ACORN MONITORING LTD
TEL: +44 (0)1635 285376
EMAIL: sales@acornmonitoring.co.uk
Web: www.jrtel.co.uk

Acorn Monitoring

ATEX Telephone Model: JREX-101

Optional Versions: Analogue and VoIP SIP

- Non-Corrosive Die Cast Aluminium Body / Steel Face Plate
- Large Rubber Call Buttons Suitable for Use with Gloves
- Full Keypad inclusive of R, M, LR
- Robust and Vandal Resistant Throughout
- Weather Protection Rated IP66
- Shock Proof IK10
- Powered PoE (or 12V DC mains supply) or Analogue Line
- Inductive Coupler Fitted as Standard for Hard of Hearing
- Simple Installation with Tamper Proof Bars & Fixings
- Non-Volatile Memory
- Programming: DTMF (analogue) Web Interface (SIP)
- Internal Relays Available On-Demand
- ATEX, IP66, IK10, RoSH, CE & FCC Compliant.

A professional IP66 weatherproof, explosion proof telephone that provides a full duplex operation in hostile environments where reliability, efficiency and safety are of prime importance. Designed for use where large temperature differences, high humidity, exposure to sea water and dust, corrosive atmosphere, explosive gases & particles are common.

Fully contained within a corrosion resistant aluminium alloy die casting housing with a pivoted door, providing complete protection against dust and moisture ingress, this is a highly reliable product with a long MTBF (50,000 hours). The unique robust handset is manufactured from bulk moulding compound and designed specifically to withstand arduous use in all environments, armoured cord to provide additional resistance to vandalism or heavy industrial use. Very easy to install. The cable entrance through NPT conduit entries, type 3.

Versions:
Analogue powered by standard analogue line, connects two core telephone cable. Config. by DTMF.

VoIP SIP powered by PoE – RJ45 connection to IP PBX and configured by web interface,

Casing Material	Die-cast aluminium body with industrial epoxy powder coated finish
Colour	Red, other RAL colours on demand
Handset Material	Cycoloy / stainless-steel spiral cord
Keypad	Rubber
Ringing Tone	Shrill warble tone 85 dB @1 metre typical
Hook Switch	Electric / magnetic no visible moving parts
IP Resistance	IP66 (IP67 on-demand)
Temperature	Operating: -40°C to +75°C Storing: -45°C to +80°C
M.T.B.F	In excess of 50,000 hours in use

Optional Extras

- Horn & call beacon
- Key lockable latch
- Custom embossed logo on door
- Relay

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STANDARD ANALOGUE SPECIFICATION

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A analogue telephone that provides standard telephone functions and can be connected to any standard two-wire telephone line, including analogue PABX lines and PSTN.

Dialling MF (tone)

Ringing Tone Shrill warble tone 80 dBA @ 1 metre typical

Power Supply Drawn from telephone line

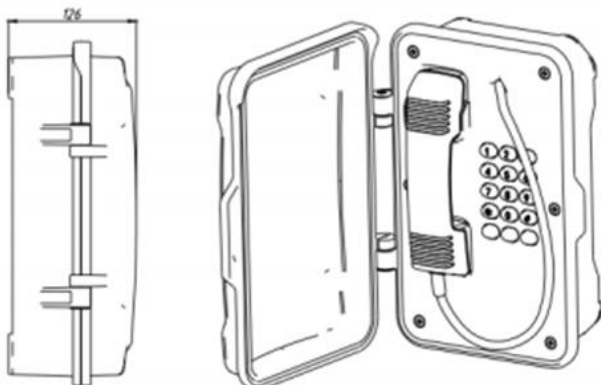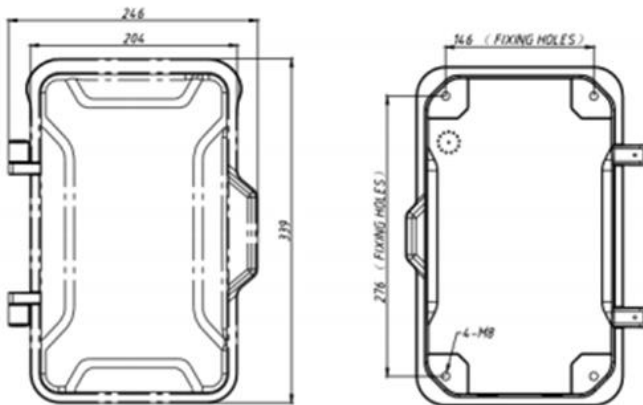**Lightning / Transients** Protection to ITU-T k.21 enhanced levels

Programming Can be programmed remotely by DTMF tone or by using the keypad

ANALOGUE EXPLOSION PROTECTION

- **II 2G Ex e ib mb IIC T6 Gb**
- **II 2D Ex ib [ib] tb IIIC T80 Db**

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Suited to oil refining, power stations, military, chemical plants, the armed services and industries which require certified telephones due to adverse operating conditions.

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VoIP SIP Version

Adapter Input	100-240VAC 50～60Hz
	Output:5V/1A
Port	WAN: 10/100Base- T RJ-45 for LAN, Auto MDIX
	LAN: 10/100Base- T RJ-45 for PC, Auto MDIX
Power Consumption	Idle:1.5W/ Active:1.8W
Communication Type	Full Duplex

Voice Features

- Support SIP 2.0 (RFC3261)
- Codec: G.711A/u, G.7231 high/low, G.729, G.722 G.726
- Echo cancellation: Support G.168 and hand-free can support 96ms
- Supports full duplex
- SIP support 2 servers, user can through each server to calling in and out
- SIP support SIP domain, SIP authentication (none, basic, MD5), DNS name of server, peer to peer
- SIP support 2 servers, user can through each server to calling in and out

Network Features

- WAN/LAN: support Bridge mode
- Support PPPoE for xDSL
- Support VLAN
- Support Stun penetration
- Support DHCP get IP on WAN port

VoIP SIP EXPLOSION PROTECTION

- **II 2G Ex e ib mb IIC T6 Gb**
- **II 2D Ex ib [ib] tb IIIC T80 Db**

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Ambient Conditions	
Protection Type	IP66, Conforms to EN60529
Operating Temperature	-40°C to +75°C
Storage Temperature	-45°C to +80°C
Unit size	246*339*126mm
Packaging Size	300*440*200mm
Packaging	Pearl Cotton, Carton
Gross weight	8 KG

CE - This mark indicates compliance with the: Radio and Telecommunications Terminal Equipment Directive 2004/108/EC

FC - This mark indicates compliance with the: FCC Part 15 Subpart B Class B

24 Months Manufacturer Defect Warranty.